

ABSTRACT OF THE DISCLOSURE

A first race component includes a flat, circular raceway portion, defined about an axis, and an axially extending lip portion. A plurality of needle rollers is arranged radially with respect to the axis for rolling contact with the flat raceway. A bearing cage retains the needle rollers and is engageable with the lip portion of the first component for piloting of the bearing cage. A second race component, made of different material, includes a flat portion in contact with the raceway portion of the first race component and a lip portion extending axially and radially from the flat portion and beyond the lip portion of the first race component such that the second race component is engageable by the bearing cage to hold the first race component, the second race component and the bearing cage together as an assembly.